| <br>ex of Claims |
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|                  |

Application No.

10/003,132

Examiner

Applicant(s)

FOX ET AL.

Art Unit

Rachel B. Kapust

1647

Α

o

√ Rejected
= Allowed

\_ (Through numeral) Cancelled

Restricted

Non-Elected

Interference

Appeal

Objected

| Cla      | Claim Date |              |                 |          |          |          |          |          | Cla     | aim         | Date  |          |                 |          |           |                 |          | Cla    | aim      | Date   |          |            |               |                     |          |          |                |          |          |        |           |
|----------|------------|--------------|-----------------|----------|----------|----------|----------|----------|---------|-------------|-------|----------|-----------------|----------|-----------|-----------------|----------|--------|----------|--------|----------|------------|---------------|---------------------|----------|----------|----------------|----------|----------|--------|-----------|
|          |            |              |                 |          |          |          |          |          |         |             |       |          |                 |          |           |                 |          |        |          | $\neg$ | Т        |            |               |                     | $\top$   | $\top$   |                |          |          |        |           |
| Final    | Original   | 3/3/04       |                 |          |          |          |          |          |         |             | Final | Original |                 |          |           |                 |          |        |          |        | Final    | Original   |               |                     |          | - }      |                |          |          |        | -         |
| ᇤ        | rig        | 33           |                 |          |          |          |          |          |         |             | ᇤ     | Ē        |                 | 1        |           |                 |          |        |          |        | Fin      | rig        |               |                     | - 1      | - 1      | - 1            |          |          |        |           |
|          | ٥          | ``           |                 |          |          | ı        |          |          |         |             |       | 0        |                 |          | 1         |                 |          |        |          |        |          | 0          |               |                     | - 1      | - 1      | - 1            | - 1      |          |        |           |
|          | 1          | 1            |                 |          | $\top$   | $\top$   | $\top$   | Т        | $\top$  | 1           |       | 51       |                 | $\top$   | 1         | П               |          |        |          |        |          | 101        |               |                     | T        | 1        | $\neg$         | $\neg$   | $\neg$   | T      | ヿ         |
|          | 2          | V            |                 |          | $\neg$   | 7        |          | _        |         |             |       | 52       |                 |          |           |                 |          | 1      |          |        |          | 102        |               |                     | ┪        | $\neg$   |                |          | $\neg$   | T      | $\neg$    |
|          | 3.         | 1            |                 | T        | $\neg$   |          |          |          |         |             | -     | 53       |                 |          | 1         | $\Box$          |          | 1      |          |        |          | 103        |               |                     | 一        | $\neg$   |                |          | 丁        | T      | $\neg$    |
|          | A          | $\vdash$     |                 | 寸        | $\top$   | 十        | $\top$   |          | $\top$  |             |       | 54       |                 | 7        | _         |                 | $\neg$   | 1-1    |          |        |          | 104        | $\neg$        | $\neg$              | 寸        | $\neg$   | $\neg$         | $\neg$   | $\top$   | $\top$ | ᅥ         |
|          | 5          | 1            |                 | _        | 7        | ╅        | 7        | _        |         |             |       | 55       |                 | 1        | 1         |                 |          | 1      |          |        |          | 105        |               | $\dashv$            | 7        | $\neg$   | $\neg$         |          | $\top$   | $\top$ | ᅱ         |
|          | 6          | 1            |                 | $\neg$   | _        | _        | _        |          |         |             |       | 56       |                 |          | 1         |                 |          |        |          |        |          | 106        |               |                     | _        | 7        | $\neg$         |          | _        | $\top$ | ٦         |
|          | 7          | 1            |                 | $\dashv$ | $\top$   | _        | $\top$   | +        |         |             |       | 57       |                 |          |           | $\vdash$        | 1        | $\top$ |          |        |          | 107        |               |                     | 寸        | $\dashv$ | _              | 1        | $\top$   | +      | T         |
|          | 8          | 1            |                 | 十        |          | _        | $\dashv$ | -1-      | _       | 11:11       |       | 58       |                 |          | 1         |                 |          |        |          |        |          | 108        |               | _                   | $\dashv$ | -        | $\neg \dagger$ |          | $\vdash$ | $\top$ | $\neg$    |
|          | 9          |              |                 | $\dashv$ | $\dashv$ | 十        | $\top$   | $\dashv$ | 1       |             |       | 59       |                 | 1        | 1         | $\Box$          | _        |        |          |        |          | 109        |               | -                   | 寸        | $\neg$   |                |          | _        | $\top$ | $\neg$    |
|          | 10         | -            |                 | $\dashv$ | +        | $\top$   | $\top$   | $\top$   | 1       |             |       | 60       |                 | 1        | 1         |                 | $\neg$   | $\top$ |          |        |          | 110        | _             |                     | $\dashv$ | _        |                | 7        | $\top$   | +      |           |
|          | 11         |              |                 | +        |          | +        |          | _        | -       |             |       | 61       |                 | ╅        |           |                 | $\dashv$ | $\top$ |          |        |          | 111        | $\neg$        | _                   | 寸        |          |                | 寸        | 十        | $\top$ | $\exists$ |
|          | 12         |              | Н               | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\top$   | $\top$  |             |       | 62       |                 | 1        | 1         | 1               | $\dashv$ | 1      |          |        |          | 112        | $\neg$        | $\dashv$            | 寸        | $\dashv$ | 寸              | $\dashv$ | 十        | 十      | $\dashv$  |
|          | 13         | 1            | -               | 十        | 十        | +        | 十        | 十        | $\top$  | 1           |       | 63       |                 | +        | $\dagger$ | $\vdash$        |          | +      | М        |        |          | 113        |               | $\dashv$            | 7        | $\dashv$ | T              | $\dashv$ | $\top$   | 十      | $\dashv$  |
|          | 14         | $\vdash$     | $\vdash$        | $\dashv$ | -        | $\neg$   | -        |          | _       | 1           |       | 64       | $\vdash$        | $\top$   | 1         | $\sqcap$        | $\dashv$ | $\top$ | $\vdash$ |        |          | 114        |               | $\dashv$            | $\dashv$ | $\neg$   | $\dashv$       | $\dashv$ | $\top$   | 十      | $\dashv$  |
|          | 15         |              |                 | 7        | -+       | $\dashv$ | +        | $\top$   | +       | 1           |       | 65       | $\vdash$        | $\top$   |           | $\vdash$        |          | +      |          |        |          | 115        |               | $\neg$              | 寸        | T        |                | $\dashv$ | $\top$   | 十      | $\exists$ |
|          | 16         |              | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | +       | 1           |       | 66       | $\vdash$        | $\top$   |           |                 | $\dashv$ | $\top$ | Н        |        |          | 116        |               | -                   | $\dashv$ |          |                | -+       | 十        | +      | -         |
| -        | 17         |              | $\vdash$        | $\dashv$ | _        | $\dashv$ | +        |          |         | (0)         |       | 67       | H               | +        | 1         |                 | +        | +      | H        |        |          | 117        |               |                     | $\dashv$ | _        | $\dashv$       | $\dashv$ | $\dashv$ | +      | $\dashv$  |
|          | 18         | 1            | $\vdash$        | -        | $\dashv$ | +        | $\dashv$ | +        | +       |             |       | 68       | $\vdash$        | +        | +         | $\vdash$        | _        | 1      | _        |        |          | 118        | $\dashv$      | $\pm$               | $\dashv$ |          |                | $\dashv$ | +        | +      | $\dashv$  |
|          | 19         | Ť            | H               | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | +       |             |       | 69       | -               | +        | +-        | H               | +        |        |          |        |          | 119        |               | -                   | $\dashv$ |          | $\neg$         |          | +        | +      | $\dashv$  |
| <u> </u> | 20         | ╁            | $\vdash$        | $\dashv$ | -+       | +        | +        | $\dashv$ |         |             |       | 70       | $\vdash$        | +        | +-        | $\vdash$        | $\dashv$ | +-     | -        |        |          | 120        |               | $\pm$               | $\dashv$ | -        | $\dashv$       | $\dashv$ | +        | +      | $\dashv$  |
|          | 21         |              |                 | +        | +        | $\dashv$ | +        | +        | +       | 1           |       | 71       | $\vdash$        | +        | +         | -               | -        | +      | $\vdash$ |        |          | 121        |               | -                   | $\dashv$ |          | -              | +        | -        | +      | ۲         |
| -        | 22         | ┢            | H               | _        | +        | +        | +        |          |         | 1           |       | 72       | $\vdash$        | +        | +         | $\vdash$        | +        | +      | -        |        |          | 122        | _             | $\dashv$            | $\dashv$ | -        |                | $\dashv$ |          | +      | -         |
|          | 23         | <del> </del> | H               | $\dashv$ | +        | $\dashv$ | +        |          |         | ł           |       | 73       | ├─├             | - -      |           | <del>  </del>   |          |        |          |        |          | 123        |               | $\dashv$            | -        | -        |                | -        |          | 十      | $\dashv$  |
| -        | 24         | ╁            | Н               | +        | +        | $\dashv$ | +        | +        | +       | 1           |       | 74       | $\vdash$        | +        | +         | +               |          | +-     |          |        |          | 124        |               | +                   | +        | +        | $\dashv$       | +        |          | 十      | $\dashv$  |
| -        | 25         | ╁            | $\vdash$        |          | -        | +        | -        |          |         | -           |       | 75       | -               | $\dashv$ | +         | $\vdash$        | $\dashv$ | +      | _        |        |          | 125        |               | $\dashv$            | $\dashv$ | $\dashv$ | $\dashv$       | -        |          | +      |           |
|          | 26         | -            | $\vdash$        | +        | +        | +        | +        | +        | +       | 1           |       | 76       |                 |          | +         | <del> </del> -⊦ |          | +      | -        |        | <u> </u> | 126        |               |                     | $\dashv$ | $\dashv$ | $\dashv$       | -        | +        | +      | -         |
| -        | 27         |              | -               |          | ┰┼       | +        | +        | +        | +       | -           |       | 77       | $\vdash$        | +        | +         | $\vdash$        | $\dashv$ |        | -        |        |          | 127        |               | -                   | +        | -        | $\dashv$       | -        | +        | +      | _         |
|          | 28         | $\vdash$     | -               | -        | +        | $\dashv$ | +        |          |         | 1           |       | 78       |                 | +        |           | $\vdash$        | +        | +      |          |        | -        | 128        |               |                     | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | +        | +      | _         |
|          | 29         | ├            |                 | -        | -+       |          | -+       |          |         | ł           |       | 79       | $\vdash$        | +        | +         | $\vdash$        | $\dashv$ | +      | $\vdash$ |        |          | 129        | $\vdash$      | $\dashv$            | -+       |          | $\dashv$       | $\dashv$ |          | +      | _         |
| -        |            | -            |                 | -        | +        | +        | +        | +        | -       | -           |       | 80       | $\vdash$        | +        | -         | ╁               |          |        |          |        |          | 130        |               | +                   | -        | -        | $\dashv$       | -        |          | +      | _         |
| -        | 30         | ├            | ╢               | -        | -        | -        |          |          |         | <b>∤</b> ∷∷ |       |          |                 | -        | +         | $\vdash$        | -        | +-     | -        |        | -        | 131        |               |                     | -        |          | $\dashv$       |          | $\dashv$ | +      |           |
| _        | 31         | ⊢            | Н               | _        | $\dashv$ | -        | -+-      |          |         | ł           |       | 81<br>82 | -               | +-       | +-        | $\vdash$        |          | +-     | _        |        |          | 132        | -             |                     | -+       | $\dashv$ | $\dashv$       | -        | +        | +      | _         |
|          | 32         |              |                 | -        | +        | +        | +        | -        | -       | ┨           |       | 83       | -               |          | +         | $\vdash$        | -        | +      |          |        |          |            | $\dashv$      | -                   | $\dashv$ | $\dashv$ | $\dashv$       | +        |          | +      | _         |
| -        | 33         |              | $\vdash \vdash$ | $\dashv$ | +        | $\dashv$ | +        |          | +-      | -           |       | 84       | $\vdash$        |          |           |                 |          |        |          |        | <u> </u> | 133<br>134 | -             | +                   | -        | $\dashv$ |                | -        | +        | +      |           |
| $\vdash$ | 34<br>35   | $\vdash$     | -               |          | +        | -+       | +        | +        | +       | {           |       | 85       |                 | +        | +-        | $\vdash$        | +        | +      |          |        | <u> </u> | 134        | -             | -                   |          |          |                |          | +        | +      | 4         |
| <u> </u> |            |              | $\vdash$        | -        | +        | +        | +        | +        | -       | ł           |       |          | $\vdash \vdash$ | +        | +         | $\vdash$        | +        | +      |          |        |          |            |               | -+                  | +        |          | $\dashv$       | -        | +        | +      | _         |
| <u> </u> | 36         | -            | $\mid - \mid$   |          |          | +        | +        | $\dashv$ | -       | ł           | -     | 86       | -               | - -      |           | $\vdash$        | +        | -      |          |        |          | 136<br>137 |               |                     | -        |          |                |          | +        | +      | _         |
| -        | 37         | $\vdash$     | $\vdash$        | -+       | +        | +        | +        | +        |         | {           |       | 87       | $\vdash$        | +        | +-        | $\vdash$        | +        | +      | -        |        |          | 137        | $\vdash$      | +                   | $\dashv$ | $\dashv$ | -              | -        | +        | +      | _         |
| $\vdash$ | 38         | -            | $\vdash$        | $\dashv$ | $\dashv$ | +        | +        | +        | +       | 1           |       | 88       | $\vdash$        | +        | +         | $\vdash$        | +        | +      | $\vdash$ |        | <u> </u> |            | $\vdash$      | +                   | $\dashv$ |          | -              |          | +        | +      | -         |
|          | 39         | $\vdash$     | $\vdash$        |          | -        | -        | -+       |          |         | ł           |       | 89<br>90 |                 | +        | +         | $\vdash$        | $\dashv$ | +      | -        |        |          | 139<br>140 | $\vdash$      | $\dashv$            | $\dashv$ | $\dashv$ | $\dashv$       | _        | +        | +      | _         |
| -        | 40         | -            | $\vdash \vdash$ | $\dashv$ | +        | +        | +        | +        | +       | ł           |       | 1        | $\vdash \vdash$ | +        |           | $\vdash$        | +        | +      | $\vdash$ |        |          |            | <del>  </del> | +                   | $\dashv$ | $\dashv$ |                | -        | +        | +      | _         |
|          | .41        | -            | $\vdash$        |          | +        | $\dashv$ | +        | -        |         | 1           |       | 91       | -               | +        | +         | $\vdash$        | +        | +      | -        |        |          | 141        |               |                     |          |          |                | +        | +        | +      | _         |
|          | 42         | $\vdash$     |                 |          | +        |          |          |          |         | -           |       | 92       | -               |          | +-        | $\vdash$        |          |        |          |        | <u> </u> | 142        |               | -                   | -        |          | -              |          | +        | +      | 4         |
|          | 43         |              | $\vdash \vdash$ | _        | -        |          | -        | -        | +       | 1           |       | 93       | <b>├</b> -┼-    | - -      | -         | $\vdash$        |          | 1      | _        |        |          | 143        | -             | $\dashv$            | $\dashv$ | $\dashv$ | -              | -        | +        | +      | _         |
| <u> </u> | 44         | <u> </u>     | $\vdash \vdash$ | _        | +        | $\dashv$ | $\dashv$ | _        | -       | 1           |       | 94       | $\vdash \vdash$ | +        | +         | -               |          | +-     | $\vdash$ |        |          | 144        | <b>  </b>     | -+                  | $\dashv$ | -        | $\dashv$       |          | +        | +      |           |
| <u></u>  | 45         | <u> </u>     | -               |          | 4        | _        | $\perp$  | _ _      |         |             |       | 95       | -               | 4        | -         | $\perp$         | _        | _      |          |        | <u> </u> | 145        |               |                     | $\dashv$ | _        | _              |          | +        | +      | _         |
|          | 46         | <u> </u>     | Ш               | _        | $\dashv$ | $\perp$  | $\perp$  | 4        | $\perp$ |             |       | 96       | $\sqcup \bot$   | $\perp$  |           | $\sqcup$        |          |        |          |        | <u> </u> | 146        | $\sqcup$      | -                   | _        |          |                |          | $\dashv$ | +      | _         |
|          | 47         | <u> </u>     | Ш               | _        | _        | 4        | $\perp$  | _        |         | 1           |       | 97       | $\sqcup$        | 4        |           | $\sqcup$        |          |        |          |        |          | 147        | Ш             | _                   | _        | _        |                | _        | $\dashv$ | $\bot$ |           |
| <u></u>  | 48         | <u> </u>     | $\sqcup$        | _        | _        | _        | _        | _        | _       | 1           |       | 98       |                 | 4.       | _         | $\sqcup$        | $\perp$  |        | _        |        |          | 148        | $\sqcup$      | $\vdash$            | $\dashv$ | _        |                |          | $\dashv$ | 4      | _         |
| <u> </u> | 49         |              | $\sqcup$        | _        | $\perp$  | -        |          | _        | _ _     | 1           |       | 99       |                 |          |           | $\sqcup$        | 4        | 1      | _        |        |          | 149        | Ш             | $\vdash \downarrow$ | _        | _        | _              | _        | $\dashv$ | +      |           |
| L        | 50         |              |                 |          |          | $\perp$  |          |          |         | 1           |       | 100      | 1 1             | - 1      |           | ıl              | - 1      |        |          | Liii.  | l        | 150        |               |                     | - [      |          |                | - 1      |          |        | - 1       |